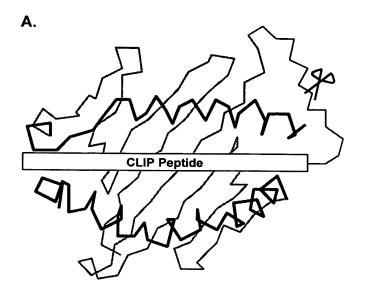
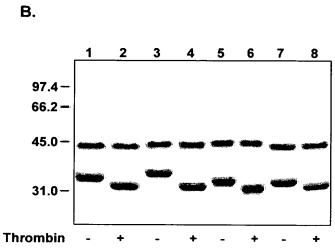
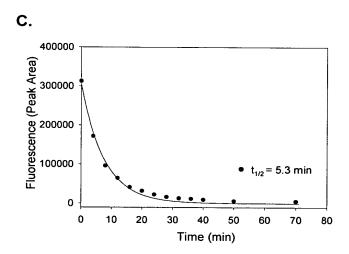
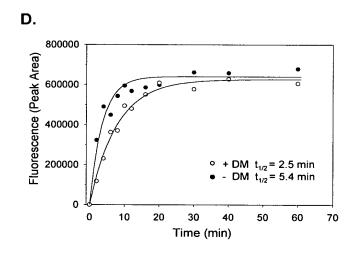
App No.: Not Yet Assigned Docket No.: DFN Inventor: Kai W. Wucherpfennig, et al.
Title: NOVEL COMPOSITIONS AND METHODS FOR THE GENERATION OF MHC CLASS II COMPOUNDS BY PEPTIDE EXCHANGE

Figure 1.









App No.: Not Yet Assigned Docket No.: DFN-044

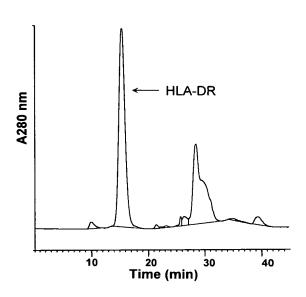
Inventor: Kai W. Wucherpfennig, et al.

Title: NOVEL COMPOSITIONS AND METHODS FOR THE GENERATION OF MHC CLASS II COMPOUNDS BY

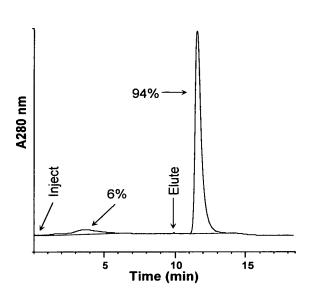
PEPTIDE EXCHANGE

Figur 2

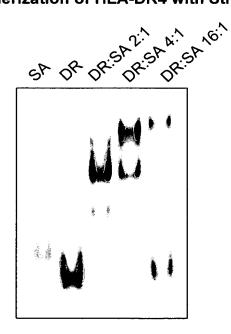
A. Gel filtration chromatography



B. Affinity chromatography



C. Multimerization of HLA-DR4 with Strepavidin

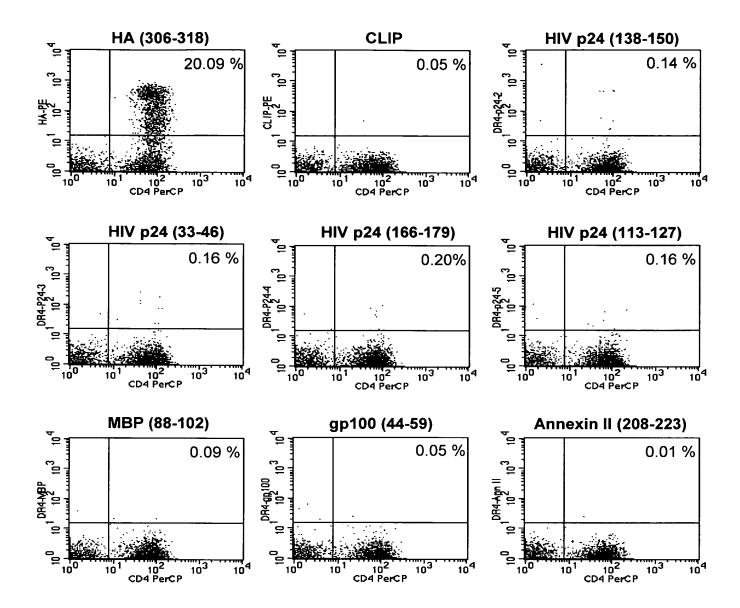


BEST AVAILABLE COPY

HLA-DR4 and HIV p24 (166-179)

App No.: Not Yet Assigned Docket No.: DFN Inventor: Kai W. Wucherpfennig, et al.
Title: NOVEL COMPOSITIONS AND METHODS FOR THE GENERATION OF MHC CLASS II COMPOUNDS BY PEPTIDE EXCHANGE

Figure 3A

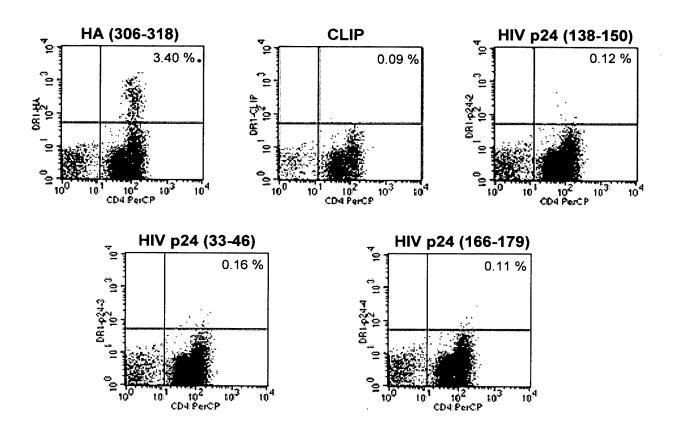


App No.: Not Yet Assigned Inventor: Kai W. Wucherpfennig, et al.

Title: NOVEL COMPOSITIONS AND METHODS FOR THE **GENERATION OF MHC CLASS II COMPOUNDS BY**

PEPTIDE EXCHANGE

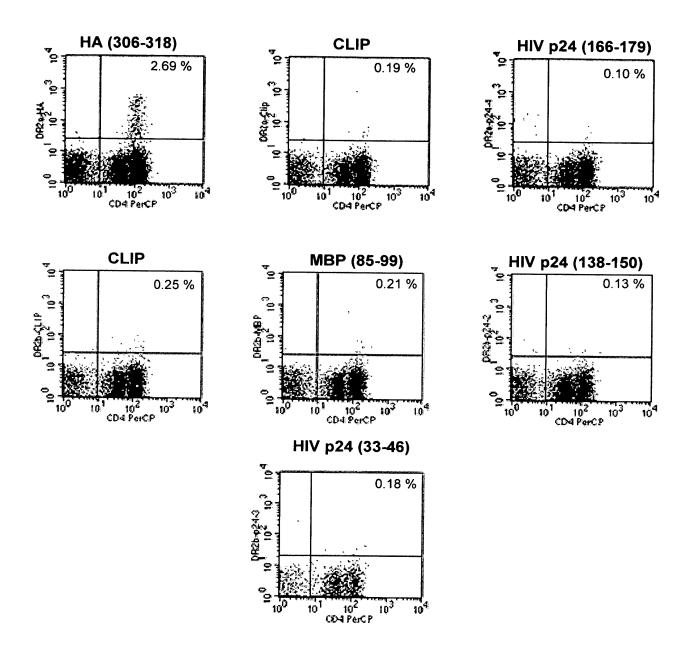
Figure 3B



App No.: Not Yet Assigned Docket No.: DFN Inventor: Kai W. Wucherpfennig, et al.

Title: NOVEL COMPOSITIONS AND METHODS FOR THE GENERATION OF MHC CLASS II COMPOUNDS BY PEPTIDE EXCHANGE

Figure 3C

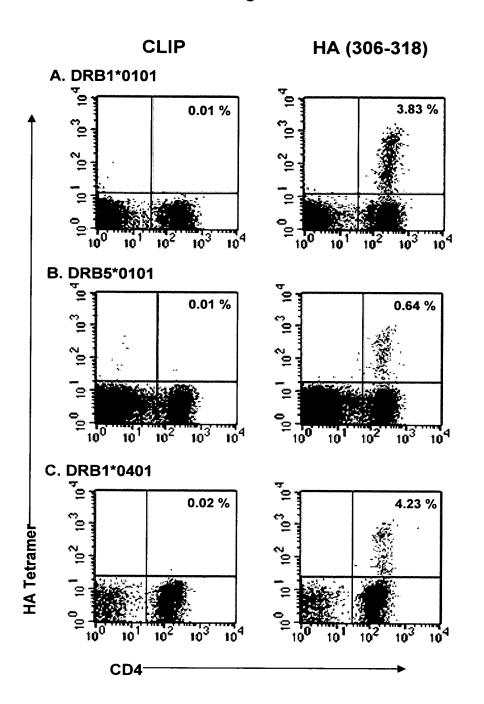


Docket No.: DFN-044 App No.: Not Yet Assigned Docket No.: DFN Inventor: Kai W. Wucherpfennig, et al.
Title: NOVEL COMPOSITIONS AND METHODS FOR THE

GENERATION OF MHC CLASS II COMPOUNDS BY

PEPTIDE EXCHANGE

Figure 4



App No.: Not Yet Assigned Docket No.: DFN Inventor: Kai W. Wucherpfennig, et al.

Title: NOVEL COMPOSITIONS AND METHODS FOR THE GENERATION OF MHC CLASS II COMPOUNDS BY

PEPTIDE EXCHANGE

Figure 5

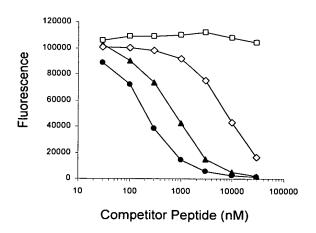
A. DRB1*0101

Competitor Peptide (nM)

B. DRB5*0101 Fluorescence Competitor Peptide (nM)

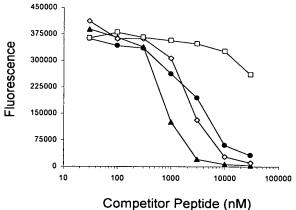
C. DRB1*1501

Fluorescence



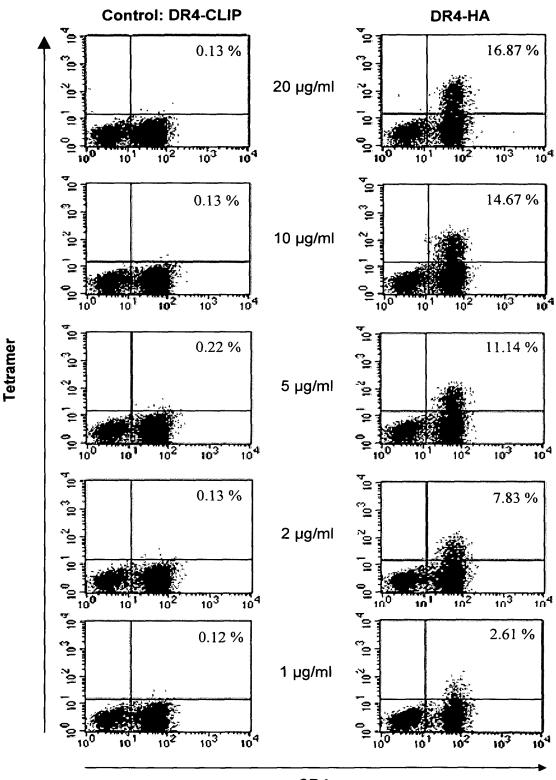


D. DRB1*0401



App No.: Not Yet Assigned Docket No.: DFN Inventor: Kai W. Wucherpfennig, et al.
Title: NOVEL COMPOSITIONS AND METHODS FOR THE GENERATION OF MHC CLASS II COMPOUNDS BY PEPTIDE EXCHANGE

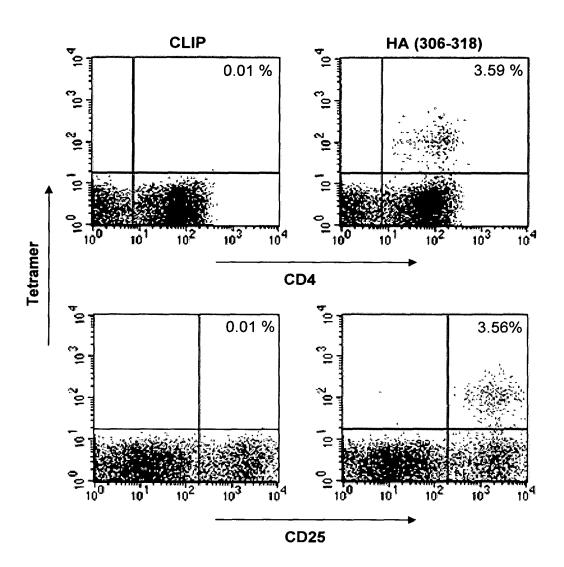
Figure 6



App No.: Not Yet Assigned Docket No.: DFN Inventor: Kai W. Wucherpfennig, et al.
Title: NOVEL COMPOSITIONS AND METHODS FOR THE GENERATION OF MHC CLASS II COMPOUNDS BY

PEPTIDE EXCHANGE

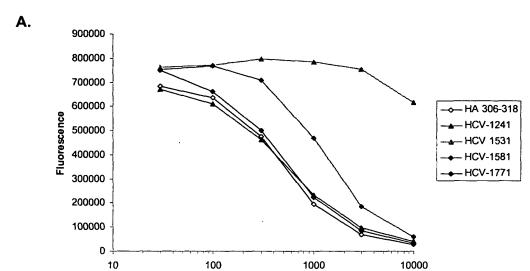
Figure 7



App No.: Not Yet Assigned Docket No.: DFN Inventor: Kai W. Wucherpfennig, et al.
Title: NOVEL COMPOSITIONS AND METHODS FOR THE GENERATION OF MHC CLASS II COMPOUNDS BY

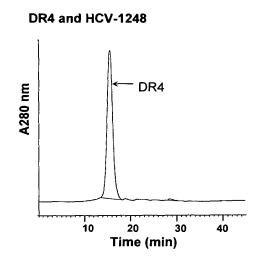
PEPTIDE EXCHANGE

Figur 8

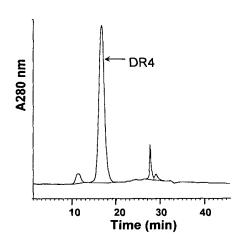


Competitor Peptide (nM)

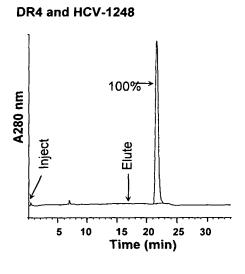
В.



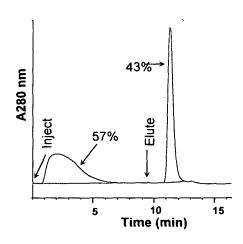
DR4 and HCV-1579



C.



DR4 and HCV-1579



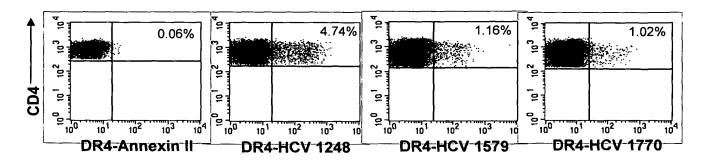
App No.: Not Yet Assigned Docket No.: DFN-044

Inventor: Kai W. Wucherpfennig, et al.

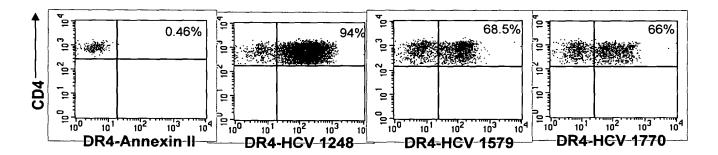
Title: NOVEL COMPOSITIONS AND METHODS FOR THE GENERATION OF MHC CLASS II COMPOUNDS BY PEPTIDE EXCHANGE

Figure 9

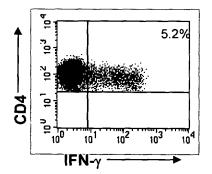
A. Before enrichment for DRB1*0401 T tramer+ cells

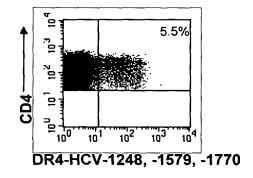


B. After enrichment for DRB1*0401 Tetramer+ cells



C. Functionality of 98A HCV-stimulated line





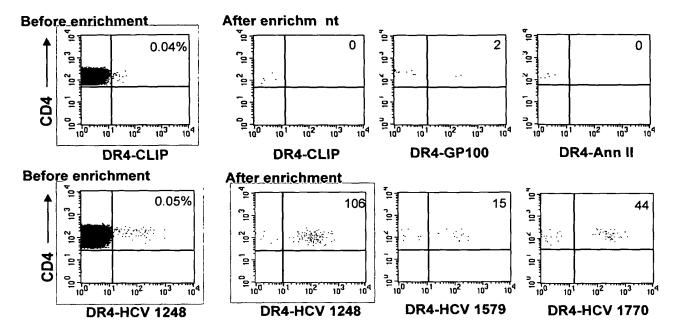
App No.: Not Yet Assigned Docket No.: DFN Inventor: Kai W. Wucherpfennig, et al. Title: NOVEL COMPOSITIONS AND METHODS FOR THE Docket No.: DFN-044

GENERATION OF MHC CLASS II COMPOUNDS BY

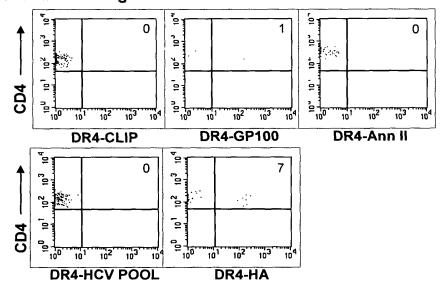
PEPTIDE EXCHANGE

Figure 10

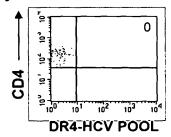
A. Subject 01-40



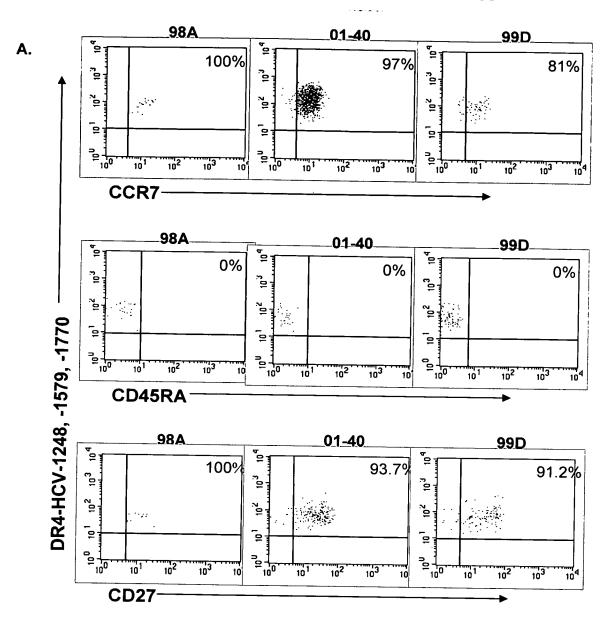
B. HCV/HIV-seronegative DRB1*0401 control

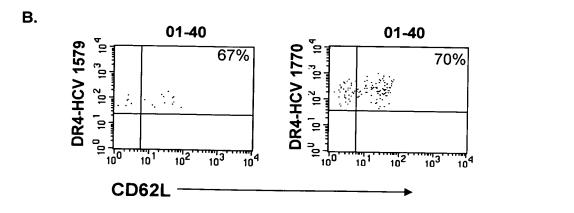


C. Subject 99-24



App No.: Not Yet Assigned Docket No.: DFN Inventor: Kai W. Wucherpfennig, et al.
Title: NOVEL COMPOSITIONS AND METHODS FOR THE GENERATION OF MHC CLASS II COMPOUNDS BY PEPTIDE EXCHANGE

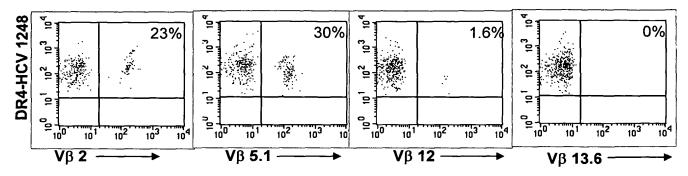




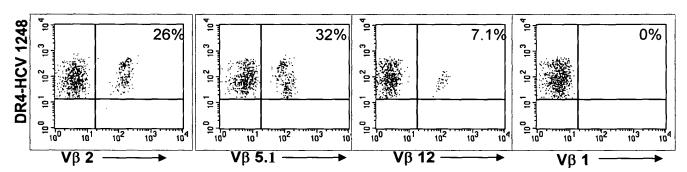
App No.: Not Yet Assigned Docket No.: DFN Inventor: Kai W. Wucherpfennig, et al. Title: NOVEL COMPOSITIONS AND METHODS FOR THE GENERATION OF MHC CLASS II COMPOUNDS BY PEPTIDE EXCHANGE

Figur 12

A. 01-40 Fresh PBMC



B. 01-40 NS3/4-stimulated line



C. 98A NS3/4-stimulated line

